| FORM PTO |)-1449/A a | and B (m | odifie | d PTO/SB/08) | APPLICATION NO.: | 10/541,877 | ATTY. DOCKET NO.: | S1459.70078US | |
|------------------------|------------|----------|--------|--------------|------------------|-------------------------|-------------------|------------------------|--|
| INFO | RMAT | ION I | DISC | LOSURE | FILING DATE: | July 8, 2005 | CONFIRMATION NO | CONFIRMATION NO.: 7947 | |
| STATEMENT BY APPLICANT | | | | | APPLICANT: | Masahiro Morooka et al. | | | |
| | | | | | GROUP ART UNIT: | 1746 | EXAMINER: | Not Yet | |
| Sheet | 1 | | of | 2 | GROUP ART UNIT: | 1740 | Assigned | | |

U.S. PATENT DOCUMENTS

| Examiner's | Cite | U.S. Patent Docu | ment | Name of Patentee or Applicant of Cited | Date of Publication or Issue | |
|------------|------|------------------|--------------|--|---------------------------------|--|
| Initials # | | Number | Kind Code | Document | of Cited Document MM-DD-YYYY | |
| | | US-2001/0027252 | Al | Kobuke et al. | 10-04-2001 | |
| | | US-2002/0031080 | A1 | Inoue | 03-14-2002 | |
| | | US-2006/0107994 | A1 | Marooka et al. | 05-25-2006 | |
| | | US-2006/0112988 | Al | Marooka | 06-01-2006 | |
| | | US 5350644 | | Graetzel et al. | 09-01-1994 | |

FOREIGN PATENT DOCUMENTS

| Examiner's | | Foreign Patent Document | | | Name of Patentee or Applicant of Cited | Date of Publication of | Translation |
|------------|--|-------------------------|-------------|--------------|--|------------------------------|-------------|
| Initials # | | Office/ Country | Number | Kind Code | Document Document | Cited Document MM-DD-YYYY | (Y/N) |
| - | | JP | 10-209048 | Α | Toyota Motor Corp. | 08-07-1998 | Abstract |
| • | | JP | 10-255863 | Al | Central Res Inst of Electric Power Ind | 09-25-1998 | Abstract |
| | | JР | 11-354169 | Α | Minnesota Mining & Mfg Co | 12-24-1999 | Abstract |
| | | JР | 2000-106222 | Α | Fuji Photo Film Co Ltd | 04-11-2000 | Abstract |
| | | JP | 2000-195569 | Α | Toshiba Corp | 07-14-2000 | Abstract |
| | | JP | 2000-231942 | Α | Nikon Corp | 08-22-2000 | Abstract |
| | | JP | 2000-285975 | Α | Aisin Seiki Co Ltd | 10-13-2000 | Abstract |
| | | JP | 2001-111074 | Α | Fuji Xerox Co Ltd | 04-20-2001 | Abstract |
| | | JP | 2001-143771 | Α | Fuji Photo Film Co Ltd | 05-25-2001 | Abstract |
| | | JP | 2001-253883 | Α | Nara Institute of Science & Technology | 09-18-2001 | Abstract |
| | | JP | 2001-093591 | Α | Toshiba Corp | 04-06-2001 | Abstract |
| | | JP | 2002-175843 | Α | Japan Gore Tex Inc | 06-21-2002 | Abstract |
| | | JP | 2002-222971 | Α | Sharp Corp | 08-09-2002 | Abstract |
| | | JP | 2002-025635 | Α | Japan Science & Technology Corp | 01-25-2002 | Abstract |
| | | JР | 2002-289269 | Al | Toyota Central Res & Dev Lab Inc | 10-04-2002 | Abstract |
| | | JP | 2002-289274 | Α | Toyota Central Res & Dev Lab Inc | 10-04-2002 | Abstract |
| | | JP | 2002-319689 | Α | Sharp Corp | 10-31-2002 | Abstract |
| | | JР | 2002-352868 | Α | Toyota Central Res & Dev Lab Inc | 12-06-2002 | Abstract |
| | | JР | 2002-352869 | Α | Toyota Central Res & Dev Lab Inc | 12-06-2002 | Abstract |
| | | ЛР | 2002-352870 | Α | Toyota Central Res & Dev Lab Inc | 12-06-2002 | Abstract |
| | | JP | 2002-353432 | Α | Fuji Photo Film Co Ltd | 12-06-2002 | Abstract |
| | | JP | 2002-008740 | Α | Yamaha Corp | 01-11-2002 | Abstract |
| | | JP | 2002-008741 | Α | Fuji Photo Film Co Ltd | 01-11-2002 | Abstract |
| | | wo | 2002/014322 | | Japan Science and Technology Corp | 02-21-2002 | Abstract |

| FORM PTO |)-1449/A and B (m | nodifie | d PTO/SB/08) | APPLICATION NO.: | 10/541,877 | ATTY. DOCKET NO.: | S1459.70078US | |
|----------|-------------------|---------|--------------|------------------|-------------------------|------------------------|---------------|--|
| INFO | RMATION I | OISC | LOSURE | FILING DATE: | July 8, 2005 | CONFIRMATION NO.: 7947 | | |
| STAT | EMENT BY | APP | LICANT | APPLICANT: | Masahiro Morooka et al. | | | |
| | | | | GROUP ART UNIT: | 1746 | EXAMINER: | Not Yet | |
| Sheet | 2 | of | 2 | OKOUP ART UNIT: | 1740 | Assigned | | |

OTHER ART - NON PATENT LITERATURE DOCUMENTS

| Examiner's Initials # | Cite No | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | Translati on (Y/N) |
|--------------------------|------------|---|--------------------------|
| | | TACHIBANA, Y. et al., "Electron Injection and Recombination in Dye Sensitized Nanocrystalline Titanium Dioxide Films: A Comparison of Ruthenium Bipyridyl and Porphyrin Sensitizer Dyes," J. Phys. Chem. B, 2000, pages 1198-1205, Vol. 104, | |
| | | optoelectronic. (2001). In Hargrave's Communications Dictionary, Wiley. Retrieved December 18, 2007 from http://www.credoreference.com/entry/2723224 | |

| EXAMINER: | DATE CONSIDERED: |
|-----------|------------------|
| | |
| | |

[NOTE – No copies of U.S. patents, published U.S. patent applications, or pending, unpublished patent applications stored in the USPTO's Image File Wrapper (IFW) system, are included. See 37 CFR §1.98 and 1287OG 163. Copies of all other patent(s), publication(s), unpublished, pending U.S. patent applications, or other information listed are provided as required by 37 CFR §1.98 unless 1) such copies were provided in an IDS in an earlier application that complies with 37 CFR §1.98, and 2) the earlier application is relied upon for an earlier filing date under 35 U.S.C. §120.]

[#] EXAMINER: Initial if reference considered, whether or notitation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

^{*}a copy of this reference is not provided as it was previously cited by or submitted to the office in a prior application, Serial No. ___, filed ___, and relied upon for an earlier filing date under 35 U.S.C. 120 (continuation-in-part, and divisional applications).